CHAPTER 1
INTRODUCTION

1-1 Introduction

1-1.1 Military installations should provide efficient, harmonious, and visually compatible physical environments conducive to attracting and retaining skilled and motivated personnel (Fig. 1.1). A military installation conveys a visual order in terms of its architectural character, land use arrangement, circulation patterns, and landscape features. This image can be clear, orderly, logical and attractive; or cluttered, confused and unattractive (Fig. 1.2).

Fig. 1.1 Visually Compatible Development

1-1.2 The visual quality of the installation is achieved through a process of analysis, planning, design and implementation. This process includes planning compatible land use arrangements, performing site analyses that achieve appropriate site selection, and designing site layouts, architectural character, and landscape features that complement adjacent facilities.

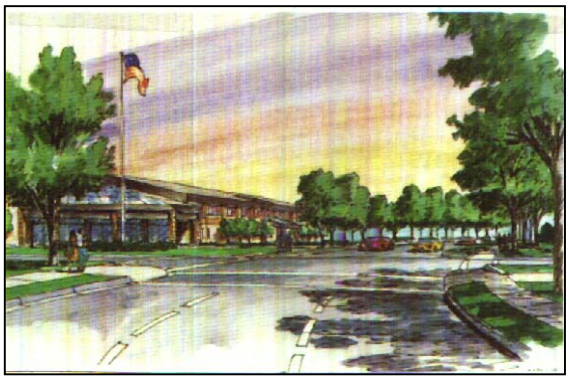

Fig. 1.2 Visual Image

1-1.3 The Installation Design Guide establishes the visual order, architectural character, common regional design elements, and landscape features that will result in improved visual quality of the installation (Fig. 1.3). This guide is applied to all new construction, renovation, and maintenance and repair projects.

Fig. 1.3 Landscape Complements Visual Image

1-2 Goal

The goal of this Installation Design Manual is to provide a clear, comprehensive approach to the preparation of an Installation Design Guide. It defines the design guide process as description, analysis, synthesis, and implementation.

1-3 Objectives

1-3.1 The objectives of this installation design manual are as follows (Fig. 1.4):

1-3.1.1 To provide guidance for accomplishing a visual impressions survey to establish visual zones and themes. The zones and themes are groupings of areas that include similar visual characteristics within the installation.

1-3.1.2 To provide guidance for formulating the specific and unique design criteria an installation will use in new construction, renovation, and maintenance and repair projects. The design criteria include architectural design principles; landscape architectural design principles; and site planning and design principles. Environmental requirements, energy conservation, sustainable design, traffic safety, low maintenance, and life-cycle economy of maintenance are defined.

1-3.1.3 To provide design recommendations and standards that define color, materials, style, signage, and other aspects of design for all visual elements surveyed. These guidelines promote design unity and harmony; and reinforce unique visual character and site conditions.

1-3.1.4 To provide the recommendations for implementation of the design guidelines and selection of materials for new construction, renovation, maintenance and repair projects.

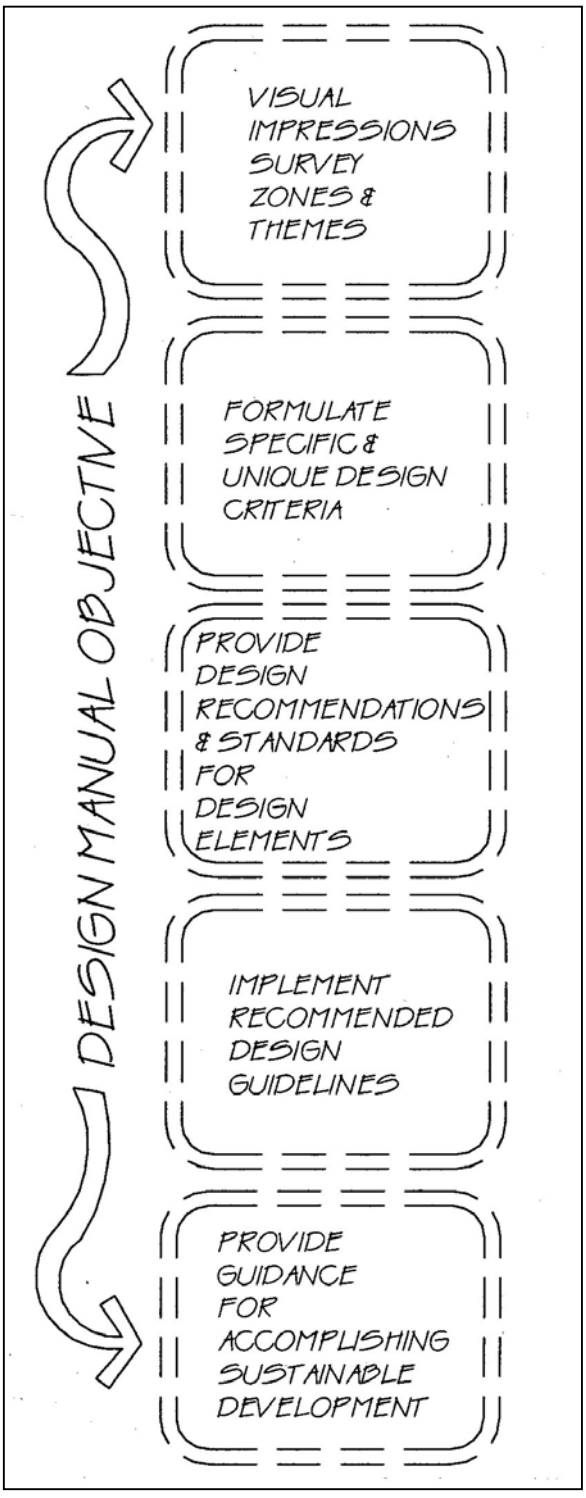

Fig. 1.4 Installation Design Objectives

1-3.1.5 To provide guidance for accomplishing sustainable development. Sustainable development includes conservation of materials and energy; cost effective life cycle maintenance; recycling, reduction, reuse of materials; and other actions and innovations that result in preservation of manpower, materials, and environmental resources.

1-3.2 The manual is organized to include 12 chapters and an Executive Summary similar to an installation design guide. The format provides the user with a standardized set of criteria that can be utilized to recognize, categorize, and plan visual aspects of the installation to attain a high quality of aesthetic appeal.

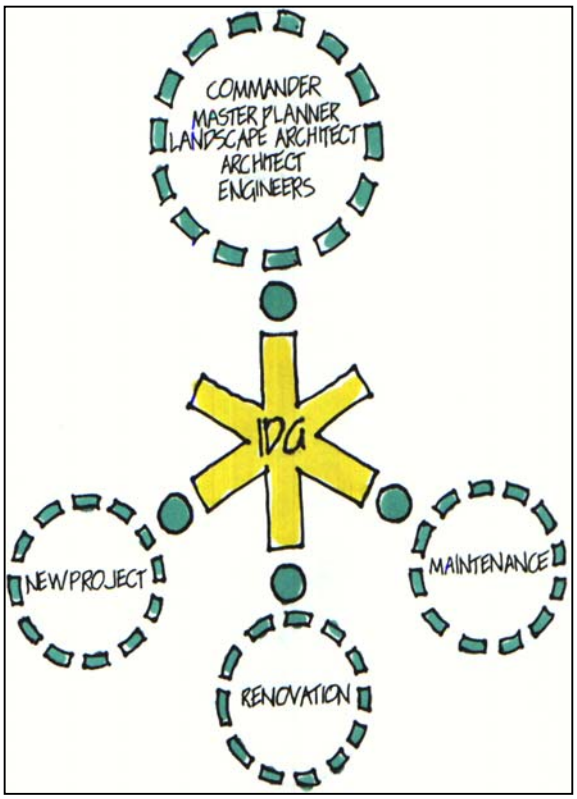

Fig. 1.5 Audience

1- 4 Audience

This installation design manual is written for the design professional and other personnel who will preparing, adopting, and/or implementing an installation design guide. These personnel include the commander, master planner, architect, engineer, procurement, buildings and grounds maintenance and others.

1-5 Organization

This manual includes 12 chapters and an Executive Summary. It is organized in a format similar to an Installation Design Guide. The format provides the user with a standardized set of criteria that can be used to recognize, categorize, and plan visual aspects of the installation to attain a high quality of aesthetic appeal.